

Wu, Jennifer

From: Cappellini, Malenna <malenna_cappellini@fws.gov>
Sent: Tuesday, July 11, 2017 9:27 AM
To: Seyfried, Erin
Cc: William Gale
Subject: Fwd: Clarification questions on LNFH NPDES permit comments

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From: **Wu, Jennifer** <Wu.Jennifer@epa.gov>
Date: Thu, Jun 22, 2017 at 1:00 PM
Subject: Clarification questions on LNFH NPDES permit comments
To: "Cappellini, Malenna" <malenna_cappellini@fws.gov>
Cc: "Seyfried, Erin" <Seyfried.Erin@epa.gov>

Hi Malenna, as in my voicemail, I'm working on the Response to Comments document and had some questions on the hatchery's comments that I wanted to clarify. If you could respond in the next 1-2 weeks, that would be helpful.

1. For the two pollution abatement ponds, are these run in parallel or series? If they are run in parallel, are each of the pollutant ponds designed similarly with similar retention times?

The pollution abatement ponds are run in parallel and are mirror images of each other.

2. Outfall 003 (Overflow canal from the screen chambers) is not currently being used, but the facility has proposed that the permit authorize this outfall in the event that it might be used. Please verify that this return bypass water, if it were used, is not commingling with other effluent prior to discharge. Please also verify that the overflow canal could be used at any time regardless of whether fish drawdown were occurring.

003 is surface water delivery system overflow before entering raceways. It returns surface water unused in hatchery operations. It does not comeingle with other effluent.

It could be used regardless of whether drawdown was occurring or not.

3. During fish drawdown events, Outfall 005 (Pumped/Piped Fish release) is used for 1-2 weeks in late April. The hatchery has also requested authorization to discharge at Outfall 004 (Top of Fish Ladder) for potential emergency releases and/or future use, though fish are currently being pumped to Outfall 005 and Outfall 004 is

not currently being used. Please verify that when Outfalls 005 and 004 are in use, the effluent does not comeingle with other effluent prior to discharge.

005 does not comeingle with other effluent. 004 is a portion of 001 water and does comeingle with 001 near the discharge point.

4. For Outfall 006 (Pumped discharge to the hatchery canal), please verify that the discharge to the hatchery canal could be used at any time regardless of whether fish drawdown were occurring.

006 could be used during fish drawdown but it is highly unlikely as the need to use 006 does not occur in April.

5. Please describe the variable speed pump used on Outfall 005 (Pumped/Piped Fish release). Is it possible to estimate the volume of water discharged each month or estimate the flow?

It is possible to estimate the volume of water discharged at outfall 005.

If you have any more questions, let me know.

Thanks, and feel free to give me a call if you'd like to discuss more.

Jenny Wu

USEPA Region 10

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